

Bruhat Bangalore Mahanagara Palike
Executive Engineer Yelahanka Division

Work: Improvements to roads and Drains at Ambedkarnagara and Kanakanagara areas in ward no-04 of Yelahanka Satellite Town Sub Division

Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
Work								
Laying and refixing stone slabs of drains and pointing in CM (1:3) (P.No-27, I No-5.33)								
Basic rate	105.00							
Area Weightage 6%	6.30							
Total	111.30							
	Sqm							
Karnagara								
cross	RHS	1	260.00	1.20		312.00		
25% missing						78.00		
						234.00	111.30	26,044.20
300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly breaking of clods complete as per specifications(I No-19.1, P No-143), 8km lead								
Basic rate	130.00							
Area Weightage 6%	7.80							
Loading and Unloading & Lead, 8KM	77.48							
Total	215.28							
	Cum							
Drain								
Ambedkarnagara								
A cross		1	282.00	1.50	1.00	423.00		
Side Road		1	62.00	1.50	1.00	93.00		
Main road		1	193.00	1.50	1.00	289.50		
Art		1	6.00	1.50	0.90	8.10		
A cross	RHS	1	260.00	0.80	0.30	62.40		
			Area					
Water Harvesting pits		5	0.31		1.80	2.79		
						878.79	215.28	189185.91
Laying in foundation with granite/trap broken metal 100mm and down size, with approved sand bedding hand packing, ramming, watering, including cost of all materials and labour with lead up to and lift 1.5m complete as per specifications. Data Rate								
Data rate	1901.00		Area					
100mm Jelly	Cum	5	0.31		0.40	0.62	1901	1,178.62
Data rate	1901.00		Area					
100mm Jelly	Cum	5	0.31		0.40	0.62	1901	1,178.62
Data rate	2651.00		Area					
Coarse sand.	Cum	5	0.31		0.30	0.47	2651	1,232.72
Data rate	2651.00		Area					
Fine Sand	Cum	5	0.31		0.20	0.31	2651	821.81

Option of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
Data rate	1901.00							
n chips	Cum	5	0.31		0.30	0.47	1901	883.97

, laying and jointing HDPE pipes of specified grade and conforming to IS 4984- 995 with endments and conveying to work site including loading and unloading at both destinations g and lowering into trenches, laying true to line and jointing of pipes and specials, giving test as per relevant ISS with all lead and lifts including encasing the pipe around to a depth ss than 15 cms. with soft gravel or selected earth available from the excavation, testing and ioning. The rate is exclusive of required specials and fittings wherever necessary like saddle b ends, flanged sets, bends, reducers etc. complete (Contractor will make his own nents for procuring water for testing) etc. for : HDPE Grade PE80-PN6.0, 630 mm dia. ted Pipe for Rain Water Harvesting Pit) (BWSSB SR 2017-18, Pg No 121 Item No. 1.17 Code 0Q)

Basic rate	12121.00							
Deduct 12% GST	1298.68							
Total	10822.32							
	Rmt							
dia HDPE Perforated		5	1.80			9.00		
						9.00	10822.32	97,400.88

ng of Geonets for Rain Water Harvesting pit on top of the filter media as specified indrawings approved by Engineer Incharge. Data Rate

Data rate	71.03		Area					
	Sqm	5	0.31			1.55	71.03	110.10

M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with ed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine gates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by ion including curing for 14 days including cost of all materials, labour, HOM curing, form works, olding and centering complete as per specifications. (P.No-222,I No-27.18)

Basic rate	5115.00							
Area Weightage 6%	306.90							
Total	5421.90							
	Cum							
Drain								
edkarnagara								
A cross		1	282.00	1.50	0.15	63.45		
ple Road		1	62.00	1.50	0.15	13.95		
nain road		1	193.00	1.50	0.15	43.43		
ert		1	6.00	1.50	0.15	1.35		
Benches		10	1.80	1.50	0.15	4.05		
Kerb stone								
surround bench		10	6.40	0.20	0.10	1.28		
edkarnagara								
n A cross		2	282.00	0.20	0.10	11.28		
main road		1	193.00	0.20	0.10	3.86		
						142.65	5421.90	773406.93

Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
and laying plain/reinforced cement concrete for side drains using M20 nominal mix with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including shuttering cost of material HOM of machinery curing etc., complete excluding cost of steel MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification. (P.No.271, I.No.37.59.2 of PW, P&IWT S.R 2018-19)								
Basic rate	6670.00							
Area Weightage 6%	400.20							
Total	7070.20							
	Cum							
n								
Karnagara								
cross		1	282.00	1.40	0.20	78.96		
road		1	62.00	1.40	0.20	17.36		
road		1	193.00	1.40	0.20	54.04		
		1	6.00	1.20	0.20	1.44		
Karnagara								
cross		2	282.00	0.23	0.90	116.75		
Road		2	62.00	0.23	1.10	31.37		
road		2	193.00	0.23	1.10	97.66		
		2	6.00	0.23	0.75	2.07		
						399.65		
						399.65	7070.20	2825591.29
- M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with wire and anchoring to the adjoining memebtrs wherever necessary complete as per design (hook and wastage shall not be measured and paid) cost of materials, labour, HOM of every complete as per specifications.MORTH Specification No. 1600 & 2200 for TMT bars Fe 250 (P.No.239, I.No.29.29.2 of PW, P&IWT S.R 2018-19)								
Basic rate	69804.00							
Area Weightage 6%	4188.24							
Total	73992.24							
	Tn							
rain								
rain 75kg/cum			399.65	0.075		29.97		
						29.97	73992.24	2217813.80
and Fixing pre cast covering Slab 100mm thick made out of CC 1:2:4 and jelly 20mm size with steel reinforcement including form work,curing,including cost of alll materials, hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per engineer incharge. (Data Rate)								
Data rate	2337.00							
	Sqm							
rain								
Karnagara								
A cross		1	282.00	1.50		423.00		
g slabs 15th A cross	RHS					78.00		
						501.00	2337.00	1170837.00

Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
casting and Fixing pre cast covering Slab 150mm thick made out of CC 1:2:4 and jelly 20mm in size with steel reinforcement including form work, curing, including cost of all materials, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete. As per Engineer incharge. (Data Rate)								
Data rate	2493.00							
	Sqm							
Drain								
bedkarnagara								
ple Road		1	62.00	1.50		93.00		
main road		1	193.00	1.50		289.50		
						382.50	2493.00	953572.50

casting and fixing RCC precast cover slab of 250mm thick for drain in cement concrete 1:1.5:3
 with graded granite jelly 20mm and down size with steel reinforcement, including form work, lift
 charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and
 directions of Engineer in-charge. (Data Rate)

Data rate	5418.00							
	Sqm							
vert		1	6.00	1.20		7.20		
						7.20	5418.00	39,009.60

casting and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and
 bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3
 plastering and finishing cutting including formwork, curing, including cost of materials, labour
 charges of machinery, loading and unloading, lead and lift, transportation etc., complete. As per the
 direction of Engineer incharge. (P.No.27, I.No.5.30)

Basic rate	408.00							
Area Weightage 6%	24.48							
Total	432.48							
	Nos							
bedkarnagara								
th A cross		2	282.00			564.00		
main road		1	193.00			193.00		
surround bench		10	6.40			64.00		
						821.00		
						1824.00	432.48	788843.52

applying two coats after filling the surface with synthetic enamel paint in approved shades on new
 plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8
 Specification No. KSRRB M800-6. (P.No.180, I.No.24.1 of PW, P&I WTD SR 2018-19)

Basic rate	80.00							
Area Weightage 6%	4.80							
Total	84.80							
bedkarnagara								
th A cross		2	282.00		0.30	169.20		
main road		1	193.00		0.30	57.90		
surround bench		10	6.40		0.30	19.20		
						246.30	84.80	20,886.24

providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles
 15mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and
 landing, laid on a bed of 12mm thick cement mortar 1:3 mix finished with flush pointing
 using white cement, including cost of materials, mortar, including cutting, gridding the edge to
 half/full round wherever required, labour, curing complete as per specification. (P.No-112, I No-

Basic Rate Rs - 1232.00

Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
Add 6% A.W Rs. =	73.92							
Total Rate Rs. =	1305.92							
	Sqm							
Bench		10	1.80	1.50		27.00		
						27.00	1305.92	35259.84

Item 300-53. Construction of embankment with approved material Gravel/Murum with all lifts beds, transporting to site, spreading, grading to required slope and compacting to meet item Table 300-2 complete as per specifications, including cost of gravel / murum, watering & compaction by vibratory roller to 95% of modified proctors density. MORTH Specification 425 (P.No.147, I.No.19.60)

Basic Rate Rs. =	325.00							
Add 6% A.W Rs. =	19.50							
Total Rate Rs. =	344.50							
	Cum							
Bench		10	1.80	1.50	0.20	5.40		
						5.40	344.50	1860.30

Curative Bench- Made out of Sadarahalli grey stone with hand supports with 3 line finishing with design with 100mm slabs. Height 90x Length 1500 width 45 cms (Data approved rate)

Data Rate	18200.00							
	Each							
		10				10.00		
						10.00	18200.00	182000.00

Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse bed crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant JMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications Clause 401 of MORTH V Revision. (I No-20.5, P No-153)

Basic rate	1882.00							
Area Weightage 6%	112.92							
Total	1994.92							
	Cum							
Path								
Bedkarragata								
In Across		2	260.00	2.20	0.15	171.60		
						171.60	1994.92	342328.27

Item 34.6 : Providing and laying heavy duty cobble stones interlock pavers, using cement and fine sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand beneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM complete as per specifications. (I No-20.5, P No-153)

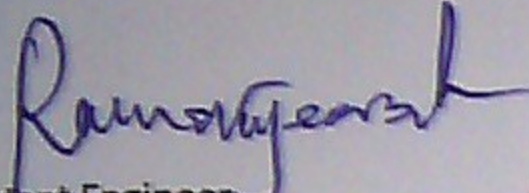
Basic rate	1958.00							
Area Weightage 6%	68.18							
Total	2026.18							
	Sqm							
Path								
Bedkarragata								
In Across		2	260.00	2.20		1144.00		

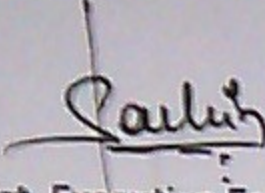
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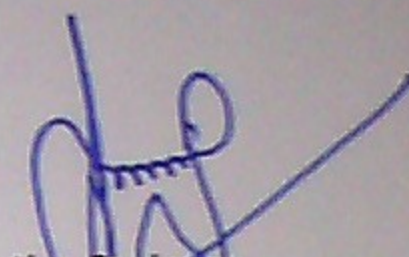
Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
						1144.00	1116.18	1276909.92
Total Construction Cost								10946356.04
Towards GST 12%								1313562.73
DPR & PMC Charges 2%								240000.00
Sub Total								12499918.77
Miscellaneous & Rounding Off								81.23
Total								12500000.00

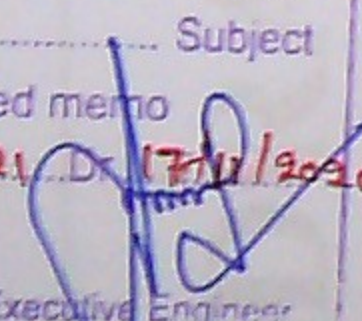
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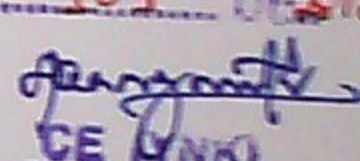
workspot was inspected and works is found to be necessary.
 area comes within the Bruhat Bangalore Mahanagara Palike limits.
 rates adopted based on the PWD SR, Bangalore circle for year 2018-2019,
 rates dated 01-07-2020 and Data Rates


 Assistant Engineer
 Ward 08
 BBMP Bangalore


 Asst. Executive Engineer
 Yelahanka New Town Sub Division
 BBMP Bangalore


 Executive Engineer
 Yelahanka Division
 BBMP Bangalore

Administrative Sanction for Rs. 125.00 lakh
[Rupees One crore Twenty
Five lakhs only]
 is accorded under head P 3859
 Registered as CE No. 67 Subject
 to conditions contained in enclosed memo
 No. EE/VNK/AS/67/2020-21 Dt. 17/11/2020

 Executive Engineer

Technical Sanction
 Accorded For RS 125 lakhs only
 Head of A/C P 3859
 CER NO : 101 Dt. 15/11/2020
 TA  CE VNK